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**Cc:** [Clark, John M \(DEC\)](#); [Smith, Paul W.](#); [anne](#)  
**Subject:** AWWU QAPP Review-Asplund 8/1 Meeting Minutes and Presentation  
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**Attachments:** [AWWU-EPA-DEC\\_TechMtg\(8-1-22\)V2 - Copy.pptx](#)

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Thank you all for coming to the meeting to review the draft QAPP. Below are my meeting minutes and attached is the presentation document.

Overall comments:

- EPA suggested we tie the QAPP to the 301h criteria and organize it to make it easier to follow
- EPA would like to see us add a sample site between the outfall and the ZID boundary at the approximate mid-point
  - Mark already took the 2022 samples in June, but we can add this data point next year
- DEC indicated that sometimes dissolved values are higher than total values.

Sampling techniques

- EPA suggested we get composite samples wherever possible, especially on pretreatment sources.
- Reminder to use clean hands sampling techniques
- DEC suggested we keep field blanks for all these analyses; sometime we see false hits on zinc that come in the blanks

Sediment Sampling

- We all recognize it is difficult to gather sediment samples at this site
- EPA asked if its possible to dig deeper below the surface to get a better sample; Mark says soils are heavily cobbled difficult to get true sediment sample
- If possible, also add a sediment sample mid way between the outfall and the ZID boundary

Benthic Sampling

- Difficult to gather/find benthic material at this site
- EPA asked if there was material growing on the outfall structure itself, Mark says no nothing is there

Current Measurement:

- Updated current monitoring will allow us to extract the 10<sup>th</sup>, 50<sup>th</sup> and 90<sup>th</sup> percentile current data

Tracer Study Approach

- Reminder to do the work to reflect the worst-case water quality conditions, low slack tide (work is planned at neap tide conditions end of September timeframe)
- Will meet again on Friday of this week to discuss tracer study approach before Jamey (b) (6)  
(b) (6)

Fish Tissue/Fish Population Work

- Mark will need to get a collection permit from ADF&G to collect the fish tissue data; usually not too difficult to do
- May need to consider what NMFS may want to see here; Amanda to discuss with Anne Southam

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